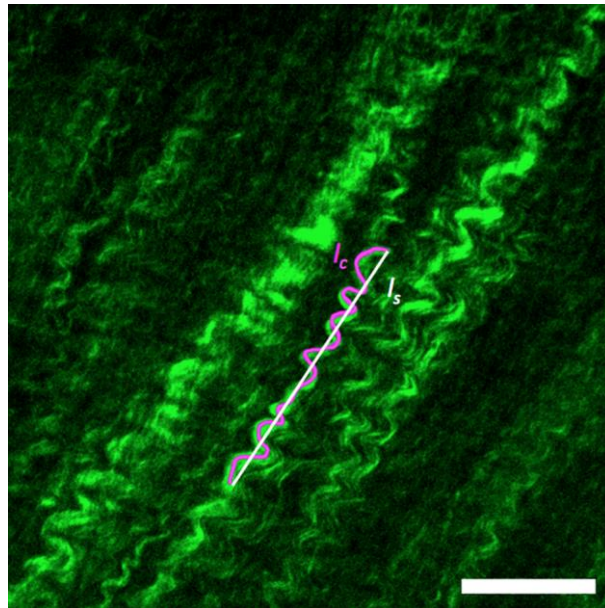**Supplemental Figure – Knothe Tate et al.**

Figure S1. Representative image demonstrating definition of measured parameters for collagen crimp measurement. The curved length of collagen fiber bundles (l_c) and straight line (l_s) connecting the ends of measured fiber bundle were measured with semi-automated NeuroJ plugin (ImageJ2), giving the degree of crimp in collagen filaments ***C= (lc-ls)/ls x 100%.***